

1635

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/366,081A

DATE: 03/05/2001
 TIME: 15:51:30

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\03052001\I366081A.raw

3 <110> APPLICANT: Brenner, Sydney
 W--> 4 <120> TITLE OF INVENTION: Compositons for Sorting Polynucleotides
 W--> 5 <130> FILE REFERENCE: 802-04RE
 W--> 6 <140> CURRENT APPLICATION NUMBER: US 09/366,081A
 7 <141> CURRENT FILING DATE: 1999-08-02
 8 <150> PRIOR APPLICATION NUMBER: US 08/484,712
 9 <151> PRIOR FILING DATE: 1995-06-07
 10 <150> PRIOR APPLICATION NUMBER: US 08/358,810
 11 <151> PRIOR FILING DATE: 1994-12-19
 12 <150> PRIOR APPLICATION NUMBER: US 08/322,348
 13 <151> PRIOR FILING DATE: 1994-10-13
 W--> 14 <160> NUMBER OF SEQ ID: 19
 15 <170> SOFTWARE: Microsoft Word97
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 38
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Artificial Sequence
 W--> 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Segment of vector.
 W--> 23 <400> SEQUENCE: 1
 24 gaggatgcct ttatggatcc actcgagatc ccaatcca 38
 26 <210> SEQ ID NO: 2
 27 <211> LENGTH: 26
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial Sequence
 W--> 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Adaptor.
 W--> 32 <400> SEQUENCE: 2
 33 aattcggatg atgcatgcat cgaccc 26
 35 <210> SEQ ID NO: 3
 36 <211> LENGTH: 14
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Artificial Sequence
 W--> 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: Adaptor.
 W--> 41 <400> SEQUENCE: 3
 42 tcgagtcatc cgat 14
 44 <210> SEQ ID NO: 4
 45 <211> LENGTH: 39
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Artificial Sequence
 W--> 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Tag complement linked to solid phase support.
 W--> 50 <400> SEQUENCE: 4
 51 dddddddddd dddddddddd dddddddddd ddddddttgg 39
 53 <210> SEQ ID NO: 5
 54 <211> LENGTH: 68

**Does Not Comply
 Corrected Diskette Needed**

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```

55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
W--> 57 <220> FEATURE:
58 <223> OTHER INFORMATION: Primer for synthesis of first strand of cDNA. Primer contains tag
59 sequence.
W--> 60 <400> SEQUENCE: 5
61 ctatgcgacc ahhhhhhhhh hhhhhhhhhh hhhhhhhhhh hhhhhhhggg 50
62 tttttttttt tttttttt 68
64 <210> SEQ ID NO: 6
65 <211> LENGTH: 11
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
W--> 68 <220> FEATURE:
W--> 69 <221> NAME/KEY: any of a, c, g, t, or u at indicated position
70 <222> LOCATION: 1, 9-11
71 <223> OTHER INFORMATION: a, c, g, t, or u
W--> 72 <400> SEQUENCE: 6
W--> 73 nrrgatcynn n 11
75 <210> SEQ ID NO: 7
76 <211> LENGTH: 22
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
W--> 79 <220> FEATURE:
80 <223> OTHER INFORMATION: Adaptor.
W--> 81 <400> SEQUENCE: 7
82 gggtcgatgc atgcatcatc cg 22
84 <210> SEQ ID NO: 8
85 <211> LENGTH: 10
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
W--> 88 <220> FEATURE:
89 <223> OTHER INFORMATION: Adaptor.
W--> 90 <400> SEQUENCE: 8
91 atcggatgac 10
93 <210> SEQ ID NO: 9
94 <211> LENGTH: 43
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
W--> 97 <220> FEATURE:
98 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag.
W--> 99 <400> SEQUENCE: 9
100 tcgacchhhh hhhhhhhhhh hhhhhhhhhh hhhhhhhhhh hha 43
102 <210> SEQ ID NO: 10
103 <211> LENGTH: 43
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
W--> 106 <220> FEATURE:
107 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag.
W--> 108 <400> SEQUENCE: 10

```

Missing <223> feature to explain the artificial sequence.

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```

109 tcgacchhhh hhhhhhhhhh hhhhhhhhhh hhhhhhhhhh hha 43
111 <210> SEQ ID NO: 11
112 <211> LENGTH: 16
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
W--> 115 <220> FEATURE:
116 <223> OTHER INFORMATION: Adaptor.
W--> 117 <400> SEQUENCE: 11
118 atcggatgac atcaac 16
120 <210> SEQ ID NO: 12
121 <211> LENGTH: 20
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
W--> 124 <220> FEATURE:
W--> 125 <221> NAME/KEY: any of a, c, g, t, or u at indicated position
126 <222> LOCATION: 1-3
127 <223> OTHER INFORMATION: a, c, g, t, or u
W--> 128 <400> SEQUENCE: 12
W--> 129 hhhagttgat gtcacccgat 20
131 <210> SEQ ID NO: 13
132 <211> LENGTH: 20
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
W--> 135 <220> FEATURE:
W--> 136 <221> NAME/KEY: any of a, c, g, t, or u at indicated position
137 <222> LOCATION: 1-3
138 <223> OTHER INFORMATION: a, c, g, t, or u
W--> 139 <400> SEQUENCE: 13
W--> 140 nnncggttgat gtcacccgat 20
142 <210> SEQ ID NO: 14
143 <211> LENGTH: 20
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
W--> 146 <220> FEATURE:
W--> 147 <221> NAME/KEY: any of a, c, g, t, or u at indicated position
148 <222> LOCATION: 1-3
149 <223> OTHER INFORMATION: a, c, g, t, or u
W--> 150 <400> SEQUENCE: 14
W--> 151 nnnnggttgat gtcacccgat 20
153 <210> SEQ ID NO: 15
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
W--> 157 <220> FEATURE:
W--> 158 <221> NAME/KEY: any of a, c, g, t, or u at indicated position
159 <222> LOCATION: 1-3
160 <223> OTHER INFORMATION: a, c, g, t, or u
W--> 161 <400> SEQUENCE: 15
W--> 162 nnnntgttgat gtcacccgat 20

```

Missing mandatory <223> feature to explain the source of the artificial sequence

Missing <223> feature

Same as above.

Same as above.

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Input Set : A:\PTO.txt
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164 <210> SEQ ID NO: 16
165 <211> LENGTH: 37
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence → *<223> explanation of artificial sequence?*
W--> 168 <220> FEATURE:
W--> 169 <221> NAME/KEY: ~~any of a, c, g, t, or u at indicated position~~
170 <222> LOCATION: 1-5, 10-23, 25-37
171 <223> OTHER INFORMATION: a, c, g, t, or u
W--> 172 <400> SEQUENCE: 16
W--> 173 nnnnnnggatg nnnnnnnnnnnn nnnntnnnnnnn nnnnnnnn 37
175 <210> SEQ ID NO: 17
176 <211> LENGTH: 43
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
W--> 179 <220> FEATURE:
180 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag.
W--> 181 <400> SEQUENCE: 17
182 tcgacchhhh hhhhhhhhhh hhhhhhhhhh hhhhhhhhhh hha 43
184 <210> SEQ ID NO: 18
185 <211> LENGTH: 42
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
W--> 188 <220> FEATURE:
189 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag.
W--> 190 <400> SEQUENCE: 18
191 gggcchhhh hhhhhhhhhh hhhhhhhhhh hhhhhhhhhh ha 42
193 <210> SEQ ID NO: 19
194 <211> LENGTH: 62
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
W--> 197 <220> FEATURE:
198 <223> OTHER INFORMATION: DNA fragment containing oligonucleotide tag.
W--> 199 <400> SEQUENCE: 19
200 rcgaccahhh hhhhhhhhhh hhhhhhhhhh hhhhhhhhhh hhhttttttt 50
201 tttttttttt tt 62

VERIFICATION SUMMARY

DATE: 03/05/2001

PATENT APPLICATION: US/09/366,081A

TIME: 15:51:31

Input Set : A:\PTO.txt

Output Set: N:\CRF3\03052001\I366081A.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:283 W: Missing Blank Line separator, <140> field identifier
L:14 M:283 W: Missing Blank Line separator, <160> field identifier
L:21 M:283 W: Missing Blank Line separator, <220> field identifier
L:23 M:283 W: Missing Blank Line separator, <400> field identifier
L:30 M:283 W: Missing Blank Line separator, <220> field identifier
L:32 M:283 W: Missing Blank Line separator, <400> field identifier
L:39 M:283 W: Missing Blank Line separator, <220> field identifier
L:41 M:283 W: Missing Blank Line separator, <400> field identifier
L:48 M:283 W: Missing Blank Line separator, <220> field identifier
L:50 M:283 W: Missing Blank Line separator, <400> field identifier
L:57 M:283 W: Missing Blank Line separator, <220> field identifier
L:60 M:283 W: Missing Blank Line separator, <400> field identifier
L:68 M:283 W: Missing Blank Line separator, <220> field identifier
L:69 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:72 M:283 W: Missing Blank Line separator, <400> field identifier
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:79 M:283 W: Missing Blank Line separator, <220> field identifier
L:81 M:283 W: Missing Blank Line separator, <400> field identifier
L:88 M:283 W: Missing Blank Line separator, <220> field identifier
L:90 M:283 W: Missing Blank Line separator, <400> field identifier
L:97 M:283 W: Missing Blank Line separator, <220> field identifier
L:99 M:283 W: Missing Blank Line separator, <400> field identifier
L:106 M:283 W: Missing Blank Line separator, <220> field identifier
L:108 M:283 W: Missing Blank Line separator, <400> field identifier
L:115 M:283 W: Missing Blank Line separator, <220> field identifier
L:117 M:283 W: Missing Blank Line separator, <400> field identifier
L:124 M:283 W: Missing Blank Line separator, <220> field identifier
L:125 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12
L:128 M:283 W: Missing Blank Line separator, <400> field identifier
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:135 M:283 W: Missing Blank Line separator, <220> field identifier
L:136 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
L:139 M:283 W: Missing Blank Line separator, <400> field identifier
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:146 M:283 W: Missing Blank Line separator, <220> field identifier
L:147 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:150 M:283 W: Missing Blank Line separator, <400> field identifier
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:157 M:283 W: Missing Blank Line separator, <220> field identifier
L:158 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:161 M:283 W: Missing Blank Line separator, <400> field identifier
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:168 M:283 W: Missing Blank Line separator, <220> field identifier
L:169 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:172 M:283 W: Missing Blank Line separator, <400> field identifier
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

VERIFICATION SUMMARY

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TIME: 15:51:31

Input Set : A:\PTO.txt

Output Set: N:\CRF3\03052001\I366081A.raw

L:181 M:283 W: Missing Blank Line separator, <400> field identifier
L:188 M:283 W: Missing Blank Line separator, <220> field identifier
L:190 M:283 W: Missing Blank Line separator, <400> field identifier
L:197 M:283 W: Missing Blank Line separator, <220> field identifier
L:199 M:283 W: Missing Blank Line separator, <400> field identifier